

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A lead body, comprising:
an inner insulator;
an outer insulator positioned around the inner insulator, wherein the outer insulator and the inner insulator have similar melting points and are fused together; and
at least one conductor is wound between the inner insulator and the outer insulator.
2. (Original) A lead body, as in Claim 1, further comprising a lumen.
3. (Previously Presented) A lead body, as in Claim 1, comprising a plurality of conductors, wherein the inner insulator is fused to the outer insulator to electrically isolate each one of the plurality of conductors from one another.
4. (Original) A lead body, as in Claim 1, further comprising at least one insulating spacer spirally wound about the insulator between the wound conductors.
5. (Original) A lead body, as in Claim 4, wherein the at least one insulating spacer is fused to at least one of the inner insulator and the outer insulator.

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6. (Previously Presented) A lead body, as in Claim 1, wherein the inner insulator and the outer insulator comprise a material selected from the group of polyurethane and silicone rubber.

7. (Currently Amended) A lead body, comprising:

an inner means for insulating;

an outer means for insulating, wherein the outer means for insulating is positioned around

the inner means for insulating, and the outer means for insulating and the inner means for insulating

 have similar melting points and are fused together; and

at least one means for conducting is wound between the inner means for insulating and the outer means for insulating.

8. (Previously Presented) A lead body, as in Claim 7, further comprising means for inserting a stylet longitudinally through the lead body.


9. (Previously Presented) A lead body, as in Claim 7, comprising a plurality of means for conducting, wherein the inner means for insulating is fused to the outer means for insulating to electrically isolate each one of the plurality of means for conducting from one another.

10. (Original) A lead body, as in Claim 7, further comprising at least one means for spacing secured between the means for conducting.

11. (Original) A lead body, as in Claim 10, wherein the means for spacing is fused to the inner means for insulating and the outer means for insulating.

12. (Previously Presented) A lead body, as in Claim 7, wherein the inner means for insulating and the outer means for insulating comprise a material selected from the group of polyurethane and silicone rubber.

13. (Currently Amended) A method for manufacturing a lead body, comprising:

 providing a mandrel having an inner insulating material disposed intermediate a first end and a second end of the mandrel, wherein the mandrel extends beyond the inner insulating material at the first end and the second end of the mandrel;

securing a first end of at least one conductor to the first end of the mandrel;

positioning the at least one conductor spirally around the inner insulating material and securing a second end of the at least one conductor to the second end of the mandrel;

disposing an outer insulating material around the at least one conductor coextensive with the inner insulating material; and

fusing the inner insulating material to the outer insulating material by heating the inner insulating material and outer insulating material, the inner insulating material and the outer insulating material having similar melting points.

14. (Previously Presented) A method, as in Claim 13, wherein fusing the inner insulating material to the outer insulating material further comprises:

disposing shrink-wrap material over the outer insulating material; and

heating the shrink-wrap material, the outer insulating material and the inner insulating material to shrink the shrink-wrap material and fuse the outer insulating material to the inner insulating material.

B/ 15. (Previously Presented) A method, as in Claim 13, wherein fusing the inner insulating material to the outer insulating material further comprises:

disposing tubing over the outer insulating material;

sealing a first end of the tubing;

applying a partial vacuum to a second end of the tubing; and

heating the tubing, wherein the partial vacuum draws the outer insulating material and the inner insulating material into contact and the heating fuses the outer insulating material to the inner insulating material.

16. (Previously Presented) A method, as in Claim 13, further comprising removing the mandrel from the inner insulating material to form a lumen.

17. (Previously Presented) A method, as in Claim 14, further comprising removing the shrink-wrap material.


18. (Previously Presented) A method, as in Claim 13, further comprising positioning a second conductor spirally around the inner insulating material, and wherein the fusing the inner insulating material to the outer insulator insulating material electrically isolates the conductors from one another.

19. (Original) A method, as in Claim 18, further comprising:
providing at least one insulating spacer; and
spirally winding the insulating spacer between the conductors.

20. (Previously Presented) A method, as in Claim 13, wherein the inner insulating material and the outer insulating material comprise a material selected from the group consisting of polyurethane and silicone rubber.

21. (New) A lead body, comprising:
an inner insulator;
an outer insulator positioned around the inner insulator, wherein the outer insulator and the inner insulator have similar melting points and are fused together such that the inner insulator and the outer insulator adhere to each other; and
at least one conductor between the inner insulator and the outer insulator.

22. (New) A lead body, comprising:

 an inner insulator;

an outer insulator positioned around the inner insulator, wherein the outer insulator and the inner insulator are fused together such that the inner insulator and the outer insulator are joined by melting together; and

at least one conductor between the inner insulator and the outer insulator.